



**PATENT**  
**HES 2003-IP-011259U1**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants:	William J. Caveny et al.	)	
		)	
		)	Art Unit: Unknown
		)	
Serial No.:	10/669,634	)	
		)	
Filed:	September 24, 2003	)	Examiner: Unknown
		)	
For:	CEMENT COMPOSITIONS COMPRISING)		
	STRENGTH-ENHANCING LOST	)	
	CIRCULATION MATERIALS AND	)	
	METHODS OF CEMENTING IN	)	
	SUBTERRANEAN FORMATIONS	)	

**INFORMATION DISCLOSURE STATEMENT**

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

**U. S. PATENTS**

U.S. Patent No. 4,460,052 issued July 17, 1984 to Judith Gockel.

U.S. Patent No. 4,498,995 issued February 12, 1985 to Judith Gockel.

U.S. Patent No. 6,569,232 B2 issued May 27, 2003 to Magdiel Castro et al.

U.S. Patent No. 3,132,693 issued May 12, 1964 to Charles F. Weisend.

U.S. Patent No. 4,011,909 issued March 15, 1977 to Sally Lee Adams et al.

U.S. Patent No. 4,015,991 issued April 5, 1977 to Leonard J. Persinski et al.

U.S. Patent No. 4,022,731 issued May 10, 1977 to Joseph M. Schmitt.

U.S. Patent No. 4,107,057 issued August 15, 1978 to Walter R. Dill et al.



Practitioner's D cket No. HES 2003-IP-011259U1

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent application

of \_\_\_\_\_  
Inventor(s)

for \_\_\_\_\_  
Title of invention

**OR**

In re application of: William J. Caveny et al.

Application No.: 0 10/669,634

Group Art Unit: unknown

Filed: September 24, 2003

Examiner: unknown

For: Cement Compositions Comprising Strength-Enhancing Lost Circulaiton ...

Assistant Commissioner for Patents

Washington, D.C. 20231

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

(When using Express Mail, the Express Mail label number is *mandatory*;  
Express Mail certification is *optional*.)

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

☒ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10\*

☒ with sufficient postage as first class mail.

☐ as "Express Mail Post Office to Addressee"

Mailing Label No. \_\_\_\_\_ (mandatory)

**TRANSMISSION**

☐ facsimile transmitted to the Patent and Trademark Office, (703) \_\_\_\_\_

Sheila Gibbs

Signature

Date: 12-4-03

Sheila Gibbs

(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [6-3]—page 1 of 3)

NOTE: 37 C.F.R. 1.98(b):

- (1) Each U.S. patent listed in an information disclosure statement must be identified by inventor, patent number, and issue date.
- (2) Each U.S. patent application publication listed in an information disclosure statement shall be identified by applicant, patent application publication number, and publication date.
- (3) Each U.S. application listed in an information disclosure statement must be identified by the inventor, application number, and filing date.
- (4) Each foreign patent or published foreign patent application listed in an information disclosure statement must be identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application.
- (5) Each publication listed in an information disclosure statement must be identified by publisher, author (if any), title, relevant pages of the publication, date, and place of publication.

**WARNING:** No extension of time can be had under 37 C.F.R. § 1.136 (a) or (b) for filing an IDS. 37 C.F.R. § 1.97(f).

**NOTE:** The "filing date of a national application" under 37 C.F.R. § 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 C.F.R. § 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 C.F.R. § 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the basic national fee; (2) a copy of the international application, unless already sent by the International Bureau, and optionally an English translation if filed in another language; and, also optionally (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. The optional items must be submitted later, with surcharges. 37 C.F.R. § 1.97(b)(2).

### **IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

**NOTE:** "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."

**NOTE:** "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39). See also § 609, M.P.E.P., 8th Edition.

**NOTE:** "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

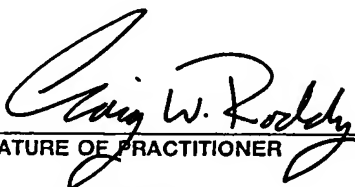
**NOTE:** "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

**WARNING:** "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. § 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63). But see § 103(b) and (c), limited suspension of action in a continued prosecution application (CPA) filed under § 1.53(d) and in a request for continued examination (RCE) under § 1.114.

Reg. No.: 36,256

Tel. No.: (580) 251-3012

Customer No.:

  
SIGNATURE OF PRACTITIONER  
Craig W. Roddy  
(type or print name of practitioner)  
P.O. Box 1431  
P.O. Address  
Duncan, OK 73536-0440

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [6-3]—page 3 of 3)

U.S. Patent No. 4,433,731 issued February 28, 1984 to Jiten Chatterji et al.

U.S. Patent No. 4,466,837 issued August 21, 1984 to Jiten Chatterji et al.

U.S. Patent No. 4,515,635 issued May 7, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,554,081 issued November 19, 1985 to John K. Borchardt et al.

U.S. Patent No. 4,555,269 issued November 26, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,557,763 issued December 10, 1985 to Charles George et al.

U.S. Patent No. 4,632,186 issued December 30, 1986 to Virgilio G. Boncan et al.

U.S. Patent No. 4,640,942 issued February 3, 1987 to Lance E. Brothers.

U.S. Patent No. 4,676,317 issued June 30, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,687,516 issued August 18, 1987 to John F. Burkhalter et al.

U.S. Patent No. 4,700,780 issued October 20, 1987 to Lance E. Brothers.

U.S. Patent No. 4,703,801 issued November 3, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,742,094 issued May 3, 1988 to Lance E. Brothers et al.

U.S. Patent No. 4,791,989 issued December 20, 1988 to Lance E. Brothers et al.

U.S. Patent No. 4,806,164 issued February 21, 1989 to Lance E. Brothers.

U.S. Patent No. 4,931,489 issued June 5, 1990 to Clare H. Kucera et al.

U.S. Patent No. 5,110,853 issued May 5, 1992 to Nguyen Van-Det et al.

U.S. Patent No. 5,149,370 issued September 22, 1992 to Stein Olaussen et al.

U.S. Patent No. 5,151,131 issued September 29, 1992 to John Burkhalter et al.

U.S. Patent No. 5,340,860 issued August 23, 1994 to Bobby G. Brake et al.

U.S. Patent No. 5,439,057 issued August 8, 1995 to Jimmie D. Weaver et al.

U.S. Patent No. 5,547,506 issued August 20, 1996 to Philip Rae et al.

U.S. Patent No. 5,558,161 issued September 24, 1996 to Sanjay m. Vitthal et al.

U.S. Patent No. 5,680,900 issued October 28, 1997 to Philip D. Nguyen et al.

U.S. Patent No. 5,988,279 issued November 23, 1999 to Rebecca G. Udarbe et al.

U.S. Patent No. 5,996,694 issued December 7, 1999 to Brahmadeo T. Dewprashad et al.

U.S. Patent No. 6,182,758 B1 issued February 6, 2001 to Jan Pieter Vijn.

U.S. Patent No. 6,268,406 B1 issued July 31, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,405,801 B1 issued June 18, 2002 to Jan Pieter Vijn et al.

U.S. Patent No. 6,497,283 B1 issued December 24, 2002 to Larry S. Eoff et al.

U.S. Patent No. 3,359,225 issued December 19, 1967 to Charles F. Weisend.

U.S. Patent No. 4,435,216 issued March 6, 1984 to Manfred Diehl et al.

U.S. Patent No. 4,482,379 issued November 13, 1984 to Benton L. Dibrell et al.

U.S. Patent No. 4,818,288 issued April 4, 1989 to Alois Aignesberger et al.

U.S. Patent No. 4,888,120 issued December 19, 1989 to Heinz Mueller et al.

U.S. Patent No. 5,383,967 issued January 24, 1995 to Raymond S. Chase.

U.S. Patent No. 5,494,513 issued February 27, 1996 to Yan Fu et al.

U.S. Patent No. 5,749,418 issued May 12, 1988 to Sudhir Mehta et al.

U.S. Patent No. 5,968,255 issued October 19, 1999 to Sudhir Mehta et al.

U.S. Patent No. 5,972,103 issued October 26, 1999 to Sudhir Mehta et al.

U.S. Patent No. 6,170,515 B1 issued January 9, 2001 to Michael J. Peterson et al.

U.S. Patent No. 6,245,142 B1 issued June 12, 2001 to Baireddy R. Reddy et al.

U.S. Patent No. 6,379,456 B1 issued April 30, 2002 to James E. Heathman et al.

U.S. Patent No. 6,478,869 B2 issued November 12, 2002 to Baireddy R. Reddy et al.

U.S. Patent No. 6,494,951 B1 issued December 17, 2002 to Baireddy R. Reddy et al.

U.S. Patent No. 4,111,710 issued September 5, 1978 to Reginald D. Pairaudeau et al.

U.S. Patent No. 4,304,298 issued December 8, 1981 to David L. Sutton.

U.S. Patent No. 4,340,427 issued July 20, 1982 to David L. Sutton.

U.S. Patent No. 4,367,093 issued January 4, 1983 to John F. Burkhalter et al.

U.S. Patent No. 4,450,010 issued May 22, 1984 to John f. Burkhalter et al.

U.S. Patent No. 4,537,918 issued August 27, 1985 to Philippe A. Parcevaux et al.

U.S. Patent No. 4,565,578 issued January 21, 1986 to David L. Sutton et al.

U.S. Patent No. 4,635,724 issued January 13, 1987 to Roderick A. Bruckdorfer et al.

U.S. Patent No. 4,721,160 issued January 26, 1988 to Philippe Parcevaux et al.

U.S. Patent No. 4,767,460 issued August 30, 1988 to P. Parcevaux et al.

U.S. Patent No. 4,784,223 issued November 15, 1988 to Robert N. Worrall et al.

U.S. Patent No. 4,927,462 issued May 22, 1990 to Toshifumi Sugama.

U.S. Patent No. 5,159,980 issued November 3, 1992 to David D. Onan et al.

U.S. Patent No. 5,307,876 issued May 3, 1994 to Kenneth M. Cowan et al.

U.S. Patent No. 5,779,787 issued July 14, 1998 to Lance E. Brothers et al.

U.S. Patent No. 5,791,380 issued August 11, 1998 to David D. Onan et al.

U.S. Patent No. 5,820,670 issued October 13, 1998 to Jiten Chatterji et al.

U.S. Patent No. 5,900,053 issued May 4, 1999 to Lance E. Brothers et al.

U.S. Patent No. 6,063,738 issued May 16, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,143,069 issued November 7, 2000 to Lance E. Brothers et al.

U.S. Patent No. 6,220,354 B1 issued April 24, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,230,804 B1 issued May 15, 2001 to Dan T. Mueller et al.

U.S. Patent No. 6,279,652 B1 issued August 28, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,308,777 B2 issued October 30, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,332,921 B1 issued December 25, 2001 to Lance E. Brothers et al.

U.S. Patent No. 6,457,524 B1 issued October 1, 2002 to Craig W. Roddy.

U.S. Patent No. 6,458,198 B1 issued October 1, 2002 to Jean-Francois Baret et al.

U.S. Patent No. 6,488,763 B2 issued December 3, 2002 to Lance E. Brothers et al.

U.S. Patent No. 6,500,252 B1 issued December 31, 2002 to Jiten Chatterji et al.

U.S. Patent No. 6,508,306 B1 issued January 21, 2003 to B. Raghava Reddy et al.

U.S. Patent No. 6,516,883 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent No. 6,516,884 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent No. 2,250,107 issued July 22, 1941 to John S. Nelles.

U.S. Patent No. 3,180,748 issued April 27, 1965 to Carl R. Holmgren et al.

U.S. Patent No. 3,782,985 issued January 1, 1974 to John C. Gebhardt.

U.S. Patent No. 3,901,316 issued August 26, 1975 to Randolph H. Knapp.

U.S. Patent No. 4,256,503 issued March 17, 1981 to Akikazu Tsuda et al.

U.S. Patent No. 4,310,486 issued January 12, 1982 to Charles E. Cornwell et al.

U.S. Patent No. 4,397,354 issued August 9, 1983 to Charles R. Dawson et al.

U.S. Patent No. 4,596,834 issued June 24, 1986 to Joseph Widener et al.

U.S. Patent No. 4,916,012 issued April 10, 1990 to Takeo Sawanobori et al.

U.S. Patent No. 5,032,181 issued July 16, 1991 to Deborah D.L. Chung.

U.S. Patent No. 5,120,367 issued June 9, 1992 to Dwight Smith et al.

U.S. Patent No. 5,147,565 issued September 15, 1992 to Daniel L. Bour et al.

U.S. Patent No. 5,185,389 issued February 9, 1993 to Riley Victor.

U.S. Patent No. 5,250,578 issued October 5, 1993 to Charles E. Cornwell.

U.S. Patent No. 5,258,222 issued November 2, 1993 to Henry A. Crivelli et al.



U.S. Patent No. 5,339,903 issued August 23, 1994 to Larry S. Eoff et al.

U.S. Patent No. 5,340,397 issued August 23, 1994 to Lance E. Brothers.

U.S. Patent No. 5,391,226 issued February 21, 1995 to Richard Franowski.

U.S. Patent No. 5,453,310 issued September 26, 1995 to Per J. Andersen et al.

U.S. Patent No. 5,456,751 issued October 15, 1995 to Iraj Zandi et al.

U.S. Patent No. 5,588,489 issued December 31, 1996 to Jiten Chatterji et al.

U.S. Patent No. 5,624,489 issued April 29, 1997 to Yan Fu et al.

U.S. Patent No. 5,696,059 issued December 9, 1997 to David D. Onan et al.

U.S. Patent No. 5,989,336 issued November 23, 1999 to Robert B. Carpenter et al.

U.S. Patent No. 3,042,608 issued July 3, 1962 to G.R. Morris.

#### **FOREIGN DOCUMENTS**

European Patent Number 0 157 055 A2 published October 9, 1985.

European Patent Number 0 538 989 A2 published April 28, 1993.

PCT Patent Application Number WO 01/25163 A1 published April 12, 2001.

PCT Patent Application Number WO 00/20350 published April 13, 2001.

United Kingdom Patent Application Number GB 2 385 325 A published August 20, 2003.

#### **OTHER MATERIAL**

Webpage from TXI Energy Services, available at  
[http://www.txi.com/default\\_3.tpl?id1=3&id2=20&id3=38](http://www.txi.com/default_3.tpl?id1=3&id2=20&id3=38), website visited September 5, 2003

Halliburton brochure entitled "Halad®-9 Fluid-Loss Additive" dated 1999.

Halliburton brochure entitled "Halad®-14 Fluid-Loss Additive" dated 1999.

Halliburton brochure entitled "Halad®-22A Fluid-Loss Additive" dated 1998.

Halliburton brochure entitled “Halad®-23 Fluid-Loss Additive” dated 2000.

Halliburton brochure entitled “Halad®-322 Fluid-Loss Additive” dated 1999.

Halliburton brochure entitled “Halad®-344 Fluid-Loss Additive” dated 1998.

Halliburton brochure entitled “Halad®-413 Fluid-Loss Additive” dated 1999.

Halliburton brochure entitled “Halad®-447 Fluid-Loss Additive” dated 1999.

Halliburton brochure entitled “Halad®-567 Fluid-Loss Additive” dated 2000.

Halliburton brochure entitled “Halad®-600 E+ Fluid-Loss Additive” dated 1999.

Halliburton brochure entitled “Halad®-700 Fluid-Loss Additive” dated 2000.

Halliburton brochure entitled Fluid-Loss Additives, Our Case for Halliburton Additives is Water Tight” dated 1994.

SPE 10623 entitled “Acrylamide/Acrylic Acid Copolymers for Cement Fluid Loss Control” by Lee McKenzie et al. dated 1982.

Halliburton brochure “HR®-25 Cement Retarder” dated 1999.

Halliburton brochure entitled “Silicalite Cement Additive” dated 1999.

Product Data Sheet entitled “Secar 60” dated January 2001.

Publication entitled “Rubber-Tire Particles As Concrete Aggregate” by Neil Eldin et al. published in the Journal of Materials in Civil Engineering, Vol. 5, No. 4, pp. 479-496, dated November 1993.

Publication entitled “The Properties of Rubberized Concretes” by I. Topcu published in the Cement and Concrete Research Journal, Vol. 25, No. 2, pp. 304-310, dated 1995.

Publication entitled “Hot Alkali Carbonation of Sodium Metaphosphate Fly Ash/Calcium Aluminate Blend Hydrothermal Cements” by T. Sugama published in the Cement and Concrete Research Journal, Vol. 26, No. 11, pp. 1661-1672. dated 1996.

Publication entitled “Mullite Microsphere-Filled Light-weight Calcium Phosphate Cement Slurries For Geothermal Wells: Setting and Properties” by T. Sugama et al. published in the Cement and Concrete Research Journal, Vol. 25, No. 6, pp. 1305-1310 dated 1995.

Publication entitled “Carbonation of Hydrothermally Treated Phosphate-Bonded Calcium Aluminate Cement” by T. Sugama, et al. published under the auspices of the U.S. Department of Energy, Washington, D.C. under contract No. DEA-AC02-76CH00016, undated, but admitted to be prior art.

Publication entitled “Lightweight CO<sub>2</sub>-Resistant Cements for Geothermal Well Completions” by Lawrence E. Kukacka et al., publisher unknown and undated, but admitted to be prior art.

Publication entitled “Microsphere-Filled Lightweight Calcium Phosphate Cement” by Toshifumi Sugama et al. under the auspices of the U.S. Department of Energy, Washington, D.C. under contract No. DE-AC02-76 CH00016; undated but admitted to be prior art.

Publication entitled “Interfaces and Mechanical Behaviors of Fiber-Reinforced Calcium Phosphate Cement Compositions” by T. Sugama, et al. prepared for the Geothermal Division U.S. Department of Energy; Department of Applied Science, June 1992, but admitted to be prior art, dated June 1992.

Publication entitled “Calcium Phosphate Cements Prepared by Acid-Base Reaction” by Toshifumi Suagama et al. published in the Journal of the American Ceramic Society Vol. 75, No. 8, pp. 2076-2087, dated 1992.

Publication entitled “TXI Energy Services Introduces Pressur-Seal™ Hi Performance Lost Circulation Material” dated August 12, 1998.

Halliburton brochure entitled “Latex 2000 Cement Additive” dated 1998.

Halliburton brochure entitled “Pozmix® A Cement Additive” dated 1999.

Halliburton brochure entitled “Spherelite Cement Additive” dated 1999.

Halliburton brochure entitled “Thermalock™ Cement for Corrosive CO<sub>2</sub> Environments”  
dated 1999.

Halliburton brochure entitled “STEELSEAL®”, undated but admitted to be prior art.

Halliburton brochure entitled “New Lost Circulation Solution”, undated but admitted to  
be prior art.

Halliburton brochure entitled “FlexPlug<sup>SM</sup> Service” dated 1998.

Halliburton brochure entitled “Lost Circulation Treatments . . .” dated 2001.

Halliburton brochure entitled “Tuf Additive No. 2” dated 1999.

Halliburton brochure entitled “Granulite TR 1/4” dated 1999.

Halliburton brochure entitled “FlexPlug® W” dated 1999.

Halliburton brochure entitled “FlexPlug® OBM” dated 1999.

Halliburton brochure entitled “Spherelite” dated 1999.

Halliburton brochure entitled “Flocele” dated 1999.

Halliburton brochure entitled “Gilsonite” dated 1999.

Halliburton brochure entitled “Perlite” dated 1999.

Halliburton brochure entitled “Bentonite Cement Diesel Oil Slurry (BCDO)” dated 2000.

Halliburton brochure entitled “Flo-Chek® Service” dated 2000.

Halliburton brochure entitled “Bengum Squeeze” dated 2000.

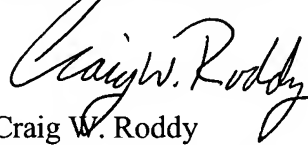
U.S. Patent Application Ser. No. 10/608748 entitled “Cement Compositions with

Improved Fluid Loss Characteristics and Methods of Cementing in Surface and Subterranean . .  
.,” inventors Rickey L. Morgan et al., filed June 27, 2003.

Halliburton brochure entitled “Kwik-Seal®” dated 2002.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, reading "Craig W. Roddy". The signature is written in a cursive style with a large, stylized "C" and "R".

Craig W. Roddy  
Registration No. 36,256  
Halliburton Energy Services  
P. O. Box 1431  
Duncan, OK 73536-0440  
580-251-3012

PTO-1449  <b>Information Disclosure Citation in an Application</b>	Application No. <b>10/669,634</b>	Applicant(s): <b>RICKEY L. MORGAN ET AL.</b>	
	Docket Number <b>HES 2003-IP-011259</b>	Group Art Unit unknown	Filing Date September 24, 2003

**U.S. PATENT DOCUMENTS**

		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>
	1	4,460,052	07/17/84	Gockel	175	72	08/10/81
	2	4,498,995	02/12/85	Gockel	507	100	07/01/83
	3	6,569,232 B2	05/27/03	Castro et al.	106	644	01/10/01
	4	3,132,693	05/12/64	Weisend	166	33	
	5	4,011,909	03/15/77	Adams et al.	166	293	
	6	4,015,991	04/05/77	Persinski et al.	106	90	
	7	4,022,731	05/10/77	Schmitt	260	29.6 e	
	8	4,107,057	08/15/78	Dill et al.	252	8.55 C	
	9	4,433,731	02/28/84	Chatterji et al.	166	293	
	10	4,466,837	08/21/84	Chatterji et al.	106	85	
	11	4,515,635	05/07/85	Rao et al.	106	90	
	12	4,554,081	11/19/85	Borchardt et al.	252	8.5 A	
	13	4,555,269	11/26/85	Rao et al.	106	90	
	14	4,557,763	12/10/85	George et al.	106	90	
	15	4,632,186	12/30/86	Boncan et al.	166	293	
	16	4,640,942	02/03/87	Brothers	523	130	
	17	4,676,317	06/30/87	Fry et al.	166	293	
	18	4,687,516	08/18/87	Burkhalter et al.	106	90	
	19	4,700,780	10/20/87	Brothers	166	293	
	20	4,703,801	11/03/87	Fry et al.	166	293	
	21	4,742,094	05/03/88	Brothers et al.	523	130	
	22	4,791,989	12/20/88	Brothers et al.	166	293	
	23	4,806,164	02/21/89	Brothers	106	90	
	24	4,931,489	06/05/90	Kucera et al.	523	130	
	25	5,110,853	05/05/92	Van-Det et al.	524	375	
	26	5,149,370	09/22/92	Olaussen et al.	106	737	
	27	5,151,131	09/29/92	Burkhalter et al.	106	822	
	28	5,340,860	08/23/94	Brake et al.	524	166	
	29	5,439,057	08/08/95	Weaver et al.	166	295	
	30	5,547,506	08/20/96	Rae et al.	106	730	
	31	5,558,161	09/24/96	Vitthal et al.	166	280	

32	5,680,900	10/28/97	Nguyen et al.	166	295	
33	5,988,279	11/23/99	Udarbe et al.	166	293	
34	5,996,694	12/07/99	Dewprashad et al.	166	294	
35	6,182,758 B1	02/06/01	Vijn	166	293	
36	6,268,406 B1	07/31/01	Chatterji et al.	523	130	
37	6,405,801 B1	06/18/02	Vijn et al.	166	293	
38	6,497,283 B1	12/24/02	Eoff et al.	166	293	
39	3,359,225	12/19/67	Weisend	260	29.6	
40	4,435,216	03/06/84	Diehl et al.	106	97	
41	4,482,379	11/13/84	Dibrell et al.	106	76	
42	4,818,288	04/04/89	Aignesberger et al.	106	90	
43	4,888,120	12/19/89	Mueller et al.	252	8.551	
44	5,383,967	01/24/95	Chase	106	737	
45	5,494,513	02/27/96	Fu et al.	106	672	
46	5,749,418	05/12/98	Mehta et al.	166	292	
47	5,968,255	10/19/99	Mehta et al.	106	727	
48	5,972,103	10/26/99	Mehta et al.	106	728	
49	6,170,515 B1	01/09/01	Reddy et al.	166	293	
50	6,245,142 B1	06/12/01	Reddy et al.	106	724	
51	6,379,456 B1	04/30/02	Heathman et al.	106	724	
52	6,478,869 B2	11/12/02	Reddy et al.	106	724	
53	6,494,951 B1	12/17/02	Reddy et al.	106	705	
54	4,111,710	09/05/78	Pairaudeau et al.	106	90	
55	4,304,298	12/08/81	Sutton	166	293	
56	4,340,427	07/20/82	Sutton	106	87	
57	4,367,093	01/04/83	Burkhalter et al.	106	87	
58	4,450,010	05/22/84	Burkhalter et al.	106	87	
59	4,537,918	08/27/85	Parcevaux et al.	523	130	
60	4,565,578	01/21/86	Sutton et al.	106	87	
61	4,635,724	01/13/87	Bruckdorfer et al.	166	268	
62	4,721,160	01/26/88	Parcevaux et al.	166	293	
63	4,767,460	08/30/88	Parcevaux et al.	106	90	
64	4,784,223	11/15/88	Worrall et al.	166	287	
65	4,927,462	05/22/90	Sugama	106	99	
66	5,159,980	11/03/92	Onan et al.	166	294	
67	5,307,876	05/03/94	Cowan et al.	166	293	

68	5,779,787	07/14/98	Brothers et al.	106	802	
69	5,791,380	08/11/98	Onan et al.	138	149	
70	5,820,670	10/13/98	Chatterji et al.	106	727	
71	5,900,053	05/04/99	Brothers et al.	106	678	
72	6,063,738	05/16/00	Chatterji et al.	507	269	
73	6,143,069	11/07/00	Brothers et al.	106	678	
74	6,220,354 B1	04/24/01	Chatterji et al.	166	293	
75	6,230,804 B1	05/15/01	Mueller et al.	166	293	
76	6,279,652 B1	08/28/01	Chatterji et al.	166	194	
77	6,308,777 B2	10/30/01	Chatterji et al.	166	293	
78	6,332,921 B1	12/25/01	Brothers et al.	106	692	
79	6,457,524 B1	10/01/02	Roddy	166	293	
80	6,458,198 B1	10/01/02	Baret et al.	106	644	
81	6,488,763 B2	12/03/02	Brothers et al.	106	692	
82	6,500,252 B1	12/31/02	Chatterji et al.	106	644	
83	6,508,306 B1	01/21/03	Reddy et al.	166	295	
84	6,516,883 B1	02/11/03	Chatterji et al.	166	293	
85	6,516,884 B1	02/11/03	Chatterji et al.	166	294	
86	2,250,107	07/22/41	Nelles	106	97	
87	3,180,748	04/27/65	Holmgren et al.	106	104	
88	3,782,985	01/01/74	Gebbhardt	106	97	
89	3,901,316	08/26/75	Knapp	166	250	
90	4,256,503	03/17/81	Tsuda et al.	106	100	
91	4,310,486	01/12/82	Cornwell et al.	264	309	
92	4,397,354	08/09/83	Dawson et al.	166	294	
93	4,596,834	06/24/86	Widener et al.	521	83	
94	4,916,012	04/10/90	Sawanobori et al.	428	367	
95	5,032,181	07/16/91	Chung	106	717	
96	5,120,367	06/09/92	Smith et al.	106	823	
97	5,147,565	09/15/92	Bour et al.	252	8.551	
98	5,185,389	02/09/93	Victor	524	2	
99	5,250,578	10/05/93	Cornwell	521	83	
100	5,258,222	11/02/93	Crivelli	428	323	
101	5,339,903	08/23/94	Eoff et al.	166	293	
102	5,340,397	08/23/94	Brothers	106	727	
103	5,391,226	02/21/95	Frankowski	106	696	



104	5,453,310	09/26/95	Andersen et al.	428	34.4	
105	5,456,751	10/10/95	Zandi et al.	106	724	
106	5,588,489	12/31/96	Chatterji et al.	166	293	
107	5,624,489	04/29/97	Fu et al.	106	692	
108	5,696,059	12/09/97	Onan et al.	507	269	
109	5,989,336	11/23/99	Carpenter et al.	106	811	
110	3,042,608	07/03/62	Morris	252	8.5	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1	0,157 055 A2	10/09/85	Europe	C04B	24/16	X	
	2	0,538,989 A2	04/28/93	Europe	E21B	33/13	X	
	3	WO 01/25163 A1	04/12/01	PCT	C04B	28/02	X	
	4	WO 00/20350	04/13/00	PCT	C04B	28/02	X	

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	1	Webpage from TXI Energy Services, available at <a href="http://www.txi.com/default_3.tpl?id1=3&amp;id2=20&amp;id3=38">http://www.txi.com/default_3.tpl?id1=3&amp;id2=20&amp;id3=38</a> , website visited September 5, 2003	2003
	2	Halliburton brochure entitled "Halad®-9 Fluid-Loss Additive"	1999
	3	Halliburton brochure entitled "Halad®-14 Fluid-Loss Additive"	1999
	4	Halliburton brochure entitled "Halad®-22A Fluid-Loss Additive"	1998
	5	Halliburton brochure entitled "Halad®-23 Fluid-Loss Additive"	2000
	6	Halliburton brochure entitled "Halad®-322 Fluid-Loss Additive"	1999
	7	Halliburton brochure entitled "Halad®-344 Fluid-Loss Additive"	1998
	8	Halliburton brochure entitled "Halad®-413 Fluid-Loss Additive"	1999
	9	Halliburton brochure entitled "Halad®-447 Fluid-Loss Additive"	1999
	10	Halliburton brochure entitled "Halad®-567 Fluid-Loss Additive"	2000
	11	Halliburton brochure entitled "Halad®-600 E+ Fluid-Loss Additive"	1999
	12	Halliburton brochure entitled "Halad®-700 Fluid-Loss Additive"	2000
	13	Halliburton brochure entitled Fluid-Loss Additives, Our Case for Halliburton Additives is Water Tight"	1994
	14	SPE 10623 entitled "Acrylamide/Acrylic Acid Copolymers for Cement Fluid Loss Control" by Lee McKenzie et al.	1982
	15	Halliburton brochure "HR®-25 Cement Retarder"	1999

16	Halliburton brochure entitled "Silicalite Cement Additive"	1999
17	Product Data Sheet entitled "Secar 60"	January 2001
18	Publication entitled "Rubber-Tire Particles As Concrete Aggregate" by Neil Eldin et al. published in the Journal of Materials in Civil Engineering, Vol. 5, No. 4, pp. 479-496	November 1993
19	Publication entitled "The Properties of Rubberized Concretes" by I. Topcu published in the Cement and Concrete Research Journal, Vol. 25, No. 2, pp. 304-310	1995
20	Publication entitled "Hot Alkali Carbonation of Sodium Metaphosphate Fly Ash/Calcium Aluminate Blend Hydrothermal Cements" by T. Sugama published in the Cement and Concrete Research Journal, Vol. 26, No. 11, pp. 1661-1672	1996
21	Publication entitled "Mullite Microsphere-Filled Light-weight Calcium Phosphate Cement Slurries For Geothermal Wells: Setting and Properties" by T. Sugama et al. published in the Cement and Concrete Research Journal, Vol. 25, No. 6, pp. 1305-1310	1995
22	Publication entitled "Carbonation of Hydrothermally Treated Phosphate-Bonded Calcium Aluminate Cement" by T. Sugama, et al. published under the auspices of the U.S. Department of Energy, Washington, D.C. under contract No. DEA-AC02-76CH00016, undated, but admitted to be prior art.	
23	Publication entitled "Lightweight CO <sub>2</sub> -Resistant Cements for Geothermal Well Completions" by Lawrence E. Kukacka et al., publisher unknown and undated, but admitted to be prior art.	
24	Publication entitled "Microsphere-Filled Lightweight Calcium Phosphate Cement" by Toshifumi Sugama et al. under the auspices of the U.S. Department of Energy, Washington, D.C. under contract No. DE-AC02-76 CH00016; undated but admitted to be prior art.	
25	Publication entitled "Interfaces and Mechanical Behaviors of Fiber-Reinforced Calcium Phosphate Cement Compositions" by T. Sugama, et al. prepared for the Geothermal Division U.S. Department of Energy; Department of Applied Science, June 1992, but admitted to be prior art.	June 1992
26	Publication entitled "Calcium Phosphate Cements Prepared by Acid-Base Reaction" by Toshifumi Sugama et al. published in the Journal of the American Ceramic Society Vol. 75, No. 8, pp. 2076-2087	1992
27	Publication entitled "TXI Energy Services Introduces Pressur-Seal™ Hi Performance Lost Circulation Material"	August 12, 1998
28	Halliburton brochure entitled "Latex 2000 Cement Additive"	1998
29	Halliburton brochure entitled "Pozmix® A Cement Additive"	1999
30	Halliburton brochure entitled "Spherelite Cement Additive"	1999
31	Halliburton brochure entitled "Thermalock™ Cement for Corrosive CO <sub>2</sub> Environments"	1999
32	Halliburton brochure entitled "STEELSEAL®", undated but admitted to be prior art	
33	Halliburton brochure entitled "New Lost Circulation Solution", undated but admitted to be prior art	
34	Halliburton brochure entitled "FlexPlug <sup>SM</sup> Service"	1998
35	Halliburton brochure entitled "Lost Circulation Treatments . . ."	2001
36	Halliburton brochure entitled "Tuf Additive No. 2"	1999
37	Halliburton brochure entitled "Granulite TR 1/4"	1999
38	Halliburton brochure entitled "FlexPlug® W"	1999
39	Halliburton brochure entitled "FlexPlug® OBM"	1999
40	Halliburton brochure entitled Spherelite"	1999
41	Halliburton brochure entitled "Flocele"	1999
42	Halliburton brochure entitled "Gilsonite"	1999
43	Halliburton brochure entitled "Perlite"	1999

	44	Halliburton brochure entitled "Bentonite Cement Diesel Oil Slurry (BCDO)"	2000
	45	Halliburton brochure entitled "Flo-Chek® Service"	2000
	46	Halliburton brochure entitled "Bengum Squeeze"	2000
	47	U.S. Patent Application Ser. No. 10/608748 entitled "Cement Compositions with Improved Fluid Loss Characteristics and Methods of Cementing in Surface and Subterranean . . .," inventors Rickey L. Morgan et al, filed June 27, 2003	June 27, 2003
	48	Halliburton brochure entitled "Kwik-Seal®"	2002
			DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			